Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/16/2020 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124477	-1	2.82	124619	2.88
Blue	F	SSC	125000	124181	-1	1.95	124900	1.91
Blue	E	FITC	15892	15426	-3	2.93	334	21.27
Blue	D	PE	29999	29200	-3	2.04	633	15.19
Blue	B	PerCP-Cy5-5	43732	43022	-2	3.84	1151	21.59
Blue	A	PE-Cy7	30845	30243	-2	6.39	575	43.97
Red	C	APC	46112	44771	-3	2.49	1576	11.99
Red	A	APC-Cy7	30458	29375	-4	2.33	777	12.05
Violet	B	V450	7918	7526	-5	4.40	433	12.72
Violet	A	V500	32171	30799	-5	4.17	721	10.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16906	15.84	658	37	N/A	N/A	Pass
Blue	F	SSC	57390	1.37	586	27	N/A	N/A	Pass
Blue	E	FITC	60	68.96	555	12	0.0181	169	Pass
Blue	D	PE	131	52.61	561	13	0.1595	297	Pass
Blue	B	PerCP-Cy5-5	214	52.67	669	13	0.0080	59	Pass
Blue	A	PE-Cy7	107	111.20	714	16	0.0095	23	Pass
Red	C	APC	380	25.56	587	3	0.0259	237	Pass
Red	A	APC-Cy7	171	28.83	557	1	0.0054	886	Pass
Violet	B	V450	65	59.78	458	0	0.0619	2670	Pass
Violet	A	V500	106	34.10	474	0	0.0233	783	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.28	-32.01	1.06
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	16.39	13.60 - 20.40	N/A	N/A	29.59	29.81	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments